

Appl. No. 10/691,577
Amendment dated: November 3, 2005
Reply to OA of: May 4, 2005

Amendments to the Specification:

On page 5, please replace the first full paragraph with the following amended paragraph.

With reference to FIGs. 2 and 3, the organic electroluminescent panel of the present invention includes a substrate 110, a plurality of first electrodes 130, a plurality of second electrodes 170, a plurality of auxiliary electrodes 120 containing a silver alloy, a pixel-defining layer 140, a plurality of isolating walls 150, and an organic electroluminescent medium 160. The plural first electrodes 130 are arranged in parallel on the substrate 110. The plural auxiliary electrodes 120 are arranged in parallel on the first electrodes 130 (as shown in FIG. 1) or on the substrate 110 (as shown in FIG. 2). The pixel-defining layer 140 is formed on the substrate 110 and defines the area of each of the pixels of the organic electroluminescent panel. The isolating walls 150 protrude out of the substrate 110 and have an overhanging portion projecting in a direction to the substrate. The organic electroluminescent medium 160 is disposed on the first electrodes 130. The second electrode 170 is disposed on the organic electroluminescent medium 160. The auxiliary electrodes 120 contain 80 to 99.8 mol% of silver, 0.1 to 10 mol% of copper, and 0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof. The total mole percentage of the silver alloy is 100 mol%.

Amendments to the Drawings:

Please replace the original drawing sheet containing Figs. 2 and 3 with the attached replacement sheet. An annotated sheet is also attached.

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This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(original). A silver alloy used in an organic electroluminescent panel, to serve as an auxiliary electrode and/or a conducting line, comprising:

80 to 99.8 mol% of silver;

0.1 to 10 mol% of copper; and

0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof, wherein the total mole percentage of the silver alloy is 100 mol%.

2(original). The silver alloy as claimed in claim 1 further comprising at least one adhesion improver, wherein the adhesion improver is titanium (Ti), aluminum (Al), nickel (Ni), cobalt (Co), or chromium (Cr).

3(original). The silver alloy as claimed in claim 2, wherein the adhesion improver is in the range of 0.01 to 5 mol %.

4(original). An organic electroluminescent panel comprising:

a substrate;

a plurality of the first electrodes;

a plurality of the second electrodes;

a plurality of conducting lines containing a silver alloy; and

a plurality of organic electroluminescent media;

wherein the first electrodes are arranged in parallel on the substrate; the organic electroluminescent media are disposed on the first electrodes; the second

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electrodes are disposed on the organic electroluminescent media; the conducting lines containing the silver alloy connect to the first electrodes or the second electrodes; and the silver alloy contained in the conducting lines having: 80 to 99.8 mol% of silver; 0.1 to 10 mol% of copper; and 0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof, wherein the total mole percentage of the silver alloy is 100 mol%.

5(currently amended). The organic electroluminescent panel as claimed in claim 4 further comprising a plurality of auxiliary electrodes containing ~~[[the]]~~ a silver alloy.

6(original). The organic electroluminescent panel as claimed in claim 5, wherein the auxiliary electrodes are arranged in parallel on the first electrodes or on the substrate.

7(original). The organic electroluminescent panel as claimed in claim 5, wherein the silver alloy contained in the auxiliary electrodes comprising:

80 to 99.8 mol% of silver;

0.1 to 10 mol% of copper; and

0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof, wherein the total mole percentage of the silver alloy is 100 mol%.

8(original). The organic electroluminescent panel as claimed in claim 4 further comprising a plurality of isolating walls.

9(original). The organic electroluminescent panel as claimed in claim 8,

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wherein the isolating walls protrude from the substrate and have an overhanging portion projecting in a direction to the substrate.

10(original). The organic electroluminescent panel as claimed in claim 4 further comprising a pixel-defining layer disposed on the first electrodes.

11(original). The organic electroluminescent panel as claimed in claim 10, wherein the pixel-defining layer is made of polyimide.

12(original). The organic electroluminescent panel as claimed in claim 4, wherein the silver alloy further comprises at least one adhesion improver, wherein the adhesion improver is titanium (Ti), aluminum (Al), nickel (Ni), cobalt (Co), or chromium (Cr).

13(original). The organic electroluminescent panel as claimed in claim 7, wherein the silver alloy further comprises at least one adhesion improver, wherein the adhesion improver is titanium (Ti), aluminum (Al), nickel (Ni), cobalt (Co), or chromium (Cr).

14(original). The organic electroluminescent panel as claimed in claim 12, wherein the adhesion improver is in the range of 0.01 to 5 mol%.

15(original). The organic electroluminescent panel as claimed in claim 13, wherein the adhesion improver is in the range of 0.01 to 5 mol%.

16(original). The organic electroluminescent panel as claimed in claim 8, wherein the isolating walls are parallel with each other.

17(original). The organic electroluminescent panel as claimed in claim 4,

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wherein the projection of the second electrodes on the substrate intersects perpendicularly with that of the first electrodes on the substrate.

18(original). The organic electroluminescent panel as claimed in claim 4, wherein the substrate is selected from the group consisting of the glass substrates, the plastic substrates, and the flexible substrates.

19(original). The organic electroluminescent panel as claimed in claim 18, wherein the plastic substrates and the flexible substrates are made of the materials respectively selected from the group consisting of polycarbonate (PC), polyester (PET), cyclic olefin copolymer (COC), metallocene-based cyclic olefin copolymer (mCOC), thin glass, and the combinations thereof.

20(original). The organic electroluminescent panel as claimed in claim 4, wherein the organic electroluminescent medium is constructed of single layer or multilayer structure.

21(original). The organic electroluminescent panel as claimed in claim 20, wherein the organic electroluminescent medium constructed of the multilayer structure includes a hole injecting layer, a hole transporting layer, a light-emitting layer, an electron transporting layer, and an electron injecting layer.

22(new). An organic electroluminescent panel comprising:
a substrate;
a plurality of the first electrodes;
a plurality of the second electrodes;
a plurality of conducting lines containing a silver alloy;
a plurality of auxiliary electrodes containing the silver alloy; and
a plurality of organic electroluminescent media;

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wherein the first electrodes are arranged in parallel on the substrate; the organic electroluminescent media are disposed on the first electrodes; the second electrodes are disposed on the organic electroluminescent media; the conducting lines containing the silver alloy connect to the first electrodes or the second electrodes; and the silver alloy contained in the conducting lines having: 80 to 99.8 mol% of silver; 0.1 to 10 mol% of copper; and 0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof, wherein the total mole percentage of the silver alloy is 100 mol%.

23(new). The organic electroluminescent panel as claimed in claim 22, wherein the auxiliary electrodes are arranged in parallel on the first electrodes or on the substrate.

24(new). The organic electroluminescent panel as claimed in claim 22, wherein the silver alloy contained in the auxiliary electrodes comprising:
80 to 99.8 mol% of silver;
0.1 to 10 mol% of copper; and
0.1 to 10 mol% of at least one transition metal selected from the group consisting of palladium (Pd), magnesium (Mg), gold (Au), platinum (Pt), and the combinations thereof, wherein the total mole percentage of the silver alloy is 100 mol%.

25(new). The organic electroluminescent panel as claimed in claim 24, wherein the silver alloy further comprises at least one adhesion improver, wherein the adhesion improver is titanium (Ti), aluminum (Al), nickel (Ni), cobalt (Co), or chromium (Cr).

26(new). The organic electroluminescent panel as claimed in claim 25,

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wherein the adhesion improver is in the range of 0.01 to 5 mol%.